September 28, 2012

Brad Davis
Zia Engineering & Environmental
755 S Telshor Blvd Ste F-201
Las Cruces, NM 88011
TEL: (575) 993-6824
FAX (575) 532-1587

Order No.: 1209167

RE: LC-38 Diesel Spill

Dear Brad Davis:

DHL Analytical, Inc. received 3 sample(s) on 9/21/2012 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of DoD QSM Ver 4.2 and NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. This report shall not be reproduced except in full without the written approval of DHL Analytical, Inc. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas & DoD Laboratory Certification Number: T104704211-12-8 & DoD ELAP #ADE-1416 v2

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zia engineering & environmental consultants, llc
755 S. Telshor Blvd. Ste. F-201
Las Cruces, NM 88011
575-532-1526 u
575-532-1587 f

CHAIN OF CUSTODY RECORD

#1209167

PAGE 1 OF 1

PROJECT NO. | PROJECT NAME: LC38 Diesel Spill

SAMPLER'S SIGNATURE: Bradley T. Davis

	DATE	TIME	SAMPLE ID	MATRIX	LAB NO.	NO. OF CONTAINERS	ANALYSIS REQUESTED: TPH DRO	Hexavalent Chromium	Total Chromium	REMARKS
01	9-20-12	1235	LC38-DSPL-MW-004-0912	Water		4	X	X	X	
02	9-20-12	1235	LC38-DSPL-MW-104-0912	Water		4	X	X	X	
03	9-20-12	1420	LC38-DSPL-MW-001-0912	Water		4	X	X	X	

PROJECT INFORMATION

PROJECT MANAGER: Brad. Davis

SHIPPING ID NO.

VIA: Fed EX

SAMPLES RECEIVED: Yes

TOTAL NO. OF CONTAINERS

CHAIN OF CUSTODY SEALS: Yes

GOOD CONDITION/ CHILLED: 1.3°

CONFORMS TO RECORD

1. RELINQUISHED BY: (SIGNATURE) Bradley T. Davis
(PRINTED NAME) Bradley T. Davis
RECEIVED BY: (SIGNATURE)
(TIME/ DATE) 9/20/12

2. RELINQUISHED BY: (SIGNATURE)
(PRINTED NAME)
RECEIVED BY: (SIGNATURE)
(TIME/ DATE) 9/21/12 830

3. RECEIVED BY LAB: (SIGNATURE)
(PRINTED NAME)
(COMPANY) DHL Analytical
(TIME/ DATE) 9/21/12 830

SPECIAL INSTRUCTIONS / COMMENTS:

PLEASE USE BALL POINT PEN

DISTRIBUTION: WHITE - PROJECT FILES; YELLOW - LAB; PINK - FIELD COPY

From: (505) 532-1526
Zia Engineering

755 S. Telshor Blvd.
Suite Q-201
Las Cruces, NM 88011

Origin ID: LRUA

FedEx Express

J1220120716032S

Ship Date: 20SEP12
ActWgt: 60.0 LB
CAD: 102287640/INET3300

Delivery Address Bar Code

SHIP TO: (512) 388-8222 BILL SENDER

John Dupont
DHL Analytical
2300 DOUBLE CREEK DR

ROUND ROCK, TX 78664

Ref # Brad Davis
Invoice # Samples
PO # FWSE-09-015 Task 34
Dept #

FRI - 21 SEP A1
PRIORITY OVERNIGHT

TRK# 7990 1626 1192
0201

78664
TX-US
AUS

XH BSMA

CUSTODY SEAL
DATE 9-20-12
SIGNATURE Brad Davis

QEC
Quality Environ...
800-255-3950 • 304-...

SEAL IF SEALED OPEN

DHL Analytical

Sample Receipt Checklist

Client Name **Zia Engineering & Environmental** Date Received: **9/21/2012**

Work Order Number **1209167** Received by **JB**

Checklist completed by _____ 9/21/2012 Reviewed by SS 9/21/2012
Signature Date Initials Date

Carrier name: FedEx 1day

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	1.3 °C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Adjusted? NO Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

DHL Analytical, Inc.

Laboratory Review Checklist: Reportable Data

Project Name: LC-38 Diesel Spill	**Date: 9/28/2012**
Reviewer Name: Angie O'Donnell	**Laboratory Work Order: 1209167**
Prep Batch Number(s): See Prep Dates Report	**Run Batch:** See Analytical Dates Report

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-Custody (C-O-C)					
R1	OI	**1)** Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	**X**				**R1-01**
		2) Were all departures from standard conditions described in an exception report?			**X**		
R2	OI	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	**X**				
		2) Are all laboratory ID numbers cross-referenced to the corresponding QC data?	**X**				
R3	OI	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?	**X**				
		2) Other than those results < MQL, were all other raw values bracketed by calibration standards?	**X**				
		3) Were calculations checked by a peer or supervisor?	**X**				
		4) Were all analyte identifications checked by a peer or supervisor?	**X**				
		5) Were sample quantitation limits reported for all analytes not detected?	**X**				
		6) Were all results for soil and sediment samples reported on a dry weight basis?			**X**		
		7) Were % moisture (or solids) reported for all soil and sediment samples?			**X**		
		8) If required for the project, TICs reported?			**X**		
R4	O	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?	**X**				
		2) Were surrogate percent recoveries in all samples within the laboratory QC limits?		**X**			**R4-02**
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	**X**				
		2) Were blanks analyzed at the appropriate frequency?	**X**				
		3) Where method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	**X**				
		4) Were blank concentrations < MQL?	**X**				
R6	OI	**Laboratory Control Samples (LCS):**					
		1) Were all COCs included in the LCS?	**X**				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	**X**				
		3) Were LCSs analyzed at the required frequency?	**X**				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	**X**				
		5) Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	**X**				
		6) Was the LCSD RPD within QC limits (if applicable)?	**X**				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	**X**				
		2) Were MS/MSD analyzed at the appropriate frequency?	**X**				**R7-02**
		3) Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	**X**				
		4) Were MS/MSD RPDs within laboratory QC limits?	**X**				
R8	OI	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?			**X**		
		2) Were analytical duplicates analyzed at the appropriate frequency?			**X**		
		3) Were RPDs or relative standard deviations within the laboratory QC limits?			**X**		
R9	OI	**Method Quantitation Limits (MQLs):**					
		1) Are the MQLs for each method analyte included in the laboratory data package?	**X**				
		2) Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	**X**				
		3) Are unadjusted MQLs included in the laboratory data package?	**X**				
R10	OI	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	**X**				
		2) Were all necessary corrective actions performed for the reported data?	**X**				
		3) Was applicable and available technology used to lower the SQL minimize the matrix interference affects on the sample results?	**X**				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

DHL Analytical, Inc.
Laboratory Review Checklist (continued): Supporting Data

Project Name: LC-38 Diesel Spill	**Date: 9/28/2012**
Reviewer Name: Angie O'Donnell	**Laboratory Work Order: 1209167**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial Calibration (ICAL)**					
		1) Were response factors and/or relative response factors for each analyte within QC limits?	**X**				
		2) Were percent RSDs or correlation coefficient criteria met?	**X**				
		3) Was the number of standards recommended in the method used for all analytes?	**X**				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	**X**				
		5) Are ICAL data available for all instruments used?	**X**				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	**X**				
S2	OI	**Initial and Continuing calibration Verification (ICCV and CCV) and Continuing Calibration blank (CCB)**					
		1) Was the CCV analyzed at the method-required frequency?	**X**				
		2) Were percent differences for each analyte within the method-required QC limits?	**X**				
		3) Was the ICAL curve verified for each analyte?	**X**				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	**X**				
S3	O	**Mass Spectral Tuning**					
		1) Was the appropriate compound for the method used for tuning?	**X**				
		2) Were ion abundance data within the method-required QC limits?	**X**				
S4	O	**Internal Standards (IS)**					
		1) Were IS area counts and retention times within the method-required QC limits?		**X**			**S4-01**
S5	OI	**Raw Data (NELAC section 1 appendix A glossary, and section 5.12)**					
		1) Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	**X**				
		2) Were data associated with manual integrations flagged on the raw data?	**X**				
S6	O	**Dual Column Confirmation**					
		1) Did dual column confirmation results meet the method-required QC?			**X**		
S7	O	**Tentatively Identified Compounds (TICs)**					
		1) If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			**X**		
S8	I	**Interference Check Sample (ICS) Results**					
		1) Were percent recoveries within method QC limits?	**X**				
S9	I	**Serial Dilutions, Post Digestion Spikes, and Method of Standard Additions**					
		1) Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	**X**				
S10	OI	**Method Detection Limit (MDL) Studies**					
		1) Was a MDL study performed for each reported analyte?	**X**				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	**X**				
S11	OI	**Proficiency Test Reports**					
		1) Was the lab's performance acceptable on the applicable proficiency tests or evaluation studies?	**X**				
S12	OI	**Standards Documentation**					
		1) Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	**X**				
S13	OI	**Compound/Analyte Identification Procedures**					
		1) Are the procedures for compound/analyte identification documented?	**X**				
S14	OI	**Demonstration of Analyst Competency (DOC)**					
		1) Was DOC conducted consistent with NELAC Chapter 5C?	**X**				
		2) Is documentation of the analyst's competency up-to-date and on file?	**X**				
S15	OI	**Verification/Validation Documentation for Methods (NELAC Chap 5)**					
		1) Are all the methods used to generate the data documented, verified, and validated, where applicable?	**X**				
S16	OI	**Laboratory Standard Operating Procedures (SOPs)**					
		1) Are laboratory SOPs current and on file for each method performed?	**X**				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Data Package Signature Page

This data package consists of:

This signature page, the laboratory review checklist, and the following reportable data:

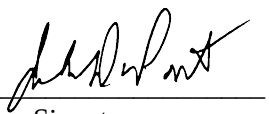
R1 Field chain-of-custody documentation;
R2 Sample identification cross-reference;
R3 Test reports (analytical data sheets) for each environmental sample that includes:
  a) Items consistent with NELAC 5.13
  b) dilution factors,
  c) preparation methods,
  d) cleanup methods, and
  e) if required for the project, tentatively identified compounds (TICs).
R4 Surrogate recovery data including:
  a) Calculated recovery (%R), and
  b) The laboratory's surrogate QC limits.
R5 Test reports/summary forms for blank samples;
R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  a) LCS spiking amounts,
  b) Calculated %R for each analyte, and
  c) The laboratory's LCS QC limits.
R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a) Samples associated with the MS/MSD clearly identified,
  b) MS/MSD spiking amounts,
  c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d) Calculated %Rs and relative percent differences (RPDs), and
  e) The laboratory's MS/MSD QC limits
R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  a) the amount of analyte measured in the duplicate,
  b) the calculated RPD, and
  c) the laboratory's QC limits for analytical duplicates.
R9 List of method quantitation limits (MQLs) for each analyte for each method and matrix;
R10 Other problems or anomalies.

The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

John DuPont – General Manager

Scott Schroeder – Technical Director



Signature

09/28/12

Date

DHL Analytical, Inc.

Date: *28-Sep-12*

CLIENT: Zia Engineering & Environmental
Project: LC-38 Diesel Spill
Lab Order: 1209167

CASE NARRATIVE

This case narrative describes abnormalities and deviations that may affect the results and summarizes all known issues that need to be highlighted for the data user to assess the results. This case narrative and the report contents are compliant with DoD QSM Ver 4.2 and NELAC.

Samples were analyzed using the methods outlined in the following references:

Method SW6020A - Metals Analysis
Method M8015D - DRO Analysis
Method M3500-Cr D - Hexavalent Chromium Analysis

Exception Report R1-01

The samples were received on and log-in performed on 9/20/2012. A total of 3 samples were received and analyzed. The samples arrived in good condition and were properly packaged.

Exception Report R4-02

For DRO Analysis, the recovery of surrogate Octacosane for the Samples and batch QC was slightly above the method control limits. These are flagged accordingly in the Analytical Data Report and QC Summary report. The remaining surrogate was within method control limits for these samples. No further corrective action was taken.

Exception Report R7-02

For DRO Analysis, an MS/MSD was not analyzed due to limited sample volume. An LCS/LCSD was analyzed instead.

Exception Report S4-01

For Metals Analysis, the response factor of Scandium 45-1 for the bracketing QC and the Batch QC was above the method control limits as specified for DOD (30-120%). This internal standard is within method control limits for the analytical method SW6020A.

A summary of project communication follows:

DHL Analytical received the Project RFQ from the client on 12/29/09. Completed RFQ returned to client via email on 1/07/2010. Purchase Order/Terms and Conditions received and signed and approved by both parties on 01/25/2010.

CLIENT:	Zia Engineering & Environmental
Project:	LC-38 Diesel Spill
Lab Order:	1209167

CASE NARRATIVE

Brad Davis of Zia requested a bottle kit via email from Jennifer Barker of DHL on 7/27/12.

DHL Bottle kit #3503 sent on 8/13/12 via Lonestar Overnight, to arrive by 8/15/12.

This sample delivery group arrived at DHL Analytical 9/21/12. Sample summary sent via email from Log-in to client on 9/21/12.

All hardcopies for the sample kit request, bill of lading for sample kit sent and login summary are kept in project folder.

DHL Analytical, Inc.

Date: *28-Sep-12*

CLIENT: Zia Engineering & Environmental
Project: LC-38 Diesel Spill
Lab Order: 1209167

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
1209167-01	LC38-DSPL-MW-004-0912		09/20/12 12:35 PM	9/21/2012
1209167-02	LC38-DSPL-MW-104-0912		09/20/12 12:35 PM	9/21/2012
1209167-03	LC38-DSPL-MW-001-0912		09/20/12 02:20 PM	9/21/2012

Lab Order: 1209167
Client: Zia Engineering & Environmental
Project: LC-38 Diesel Spill

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
1209167-01A	LC38-DSPL-MW-004-0912	09/20/12 12:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/12 08:57 AM	53989
1209167-01B	LC38-DSPL-MW-004-0912	09/20/12 12:35 PM	Aqueous	SW7196A	Hexachrom Prep Water	09/21/12 10:10 AM	53947
1209167-01C	LC38-DSPL-MW-004-0912	09/20/12 12:35 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/24/12 07:19 AM	53956
1209167-02A	LC38-DSPL-MW-104-0912	09/20/12 12:35 PM	Aqueous	SW3005A	Aq Prep Metals : ICP-MS	09/26/12 08:57 AM	53989
1209167-02B	LC38-DSPL-MW-104-0912	09/20/12 12:35 PM	Aqueous	SW7196A	Hexachrom Prep Water	09/21/12 10:10 AM	53947
1209167-02C	LC38-DSPL-MW-104-0912	09/20/12 12:35 PM	Aqueous	SW3510C	Aq Prep Sep Funnel: DRO	09/24/12 07:19 AM	53956
1209167-03A	LC38-DSPL-MW-001-0912	09/20/12 02:20 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	09/26/12 08:57 AM	53989
	LC38-DSPL-MW-001-0912	09/20/12 02:20 PM	Equip Blank	SW3005A	Aq Prep Metals : ICP-MS	09/26/12 08:57 AM	53989
1209167-03B	LC38-DSPL-MW-001-0912	09/20/12 02:20 PM	Equip Blank	SW7196A	Hexachrom Prep Water	09/21/12 10:10 AM	53947
1209167-03C	LC38-DSPL-MW-001-0912	09/20/12 02:20 PM	Equip Blank	SW3510C	Aq Prep Sep Funnel: DRO	09/24/12 07:19 AM	53956

Lab Order: 1209167
Client: Zia Engineering & Environmental
Project: LC-38 Diesel Spill

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
1209167-01A	LC38-DSPL-MW-004-0912	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	53989	1	09/26/12 08:46 PM	ICP-MS3_120926B
1209167-01B	LC38-DSPL-MW-004-0912	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	53947	1	09/21/12 11:00 AM	UV/VIS_2_120921A
1209167-01C	LC38-DSPL-MW-004-0912	Aqueous	M8015D	TPH Extractable by GC - Water	53956	1	09/24/12 03:28 PM	GC15_120924A
1209167-02A	LC38-DSPL-MW-104-0912	Aqueous	SW6020A	Trace Metals: ICP-MS - Water	53989	1	09/26/12 08:51 PM	ICP-MS3_120926B
1209167-02B	LC38-DSPL-MW-104-0912	Aqueous	M3500-Cr D	Hexavalent Chromium-Water	53947	1	09/21/12 11:00 AM	UV/VIS_2_120921A
1209167-02C	LC38-DSPL-MW-104-0912	Aqueous	M8015D	TPH Extractable by GC - Water	53956	1	09/24/12 03:54 PM	GC15_120924A
1209167-03A	LC38-DSPL-MW-001-0912	Equip Blank	SW6020A	Trace Metals: ICP-MS - Water	53989	1	09/27/12 08:04 PM	ICP-MS3_120927B
	LC38-DSPL-MW-001-0912	Equip Blank	SW6020A	Trace Metals: ICP-MS - Water	53989	1	09/26/12 08:57 PM	ICP-MS3_120926B
1209167-03B	LC38-DSPL-MW-001-0912	Equip Blank	M3500-Cr D	Hexavalent Chromium-Water	53947	1	09/21/12 11:00 AM	UV/VIS_2_120921A
1209167-03C	LC38-DSPL-MW-001-0912	Equip Blank	M8015D	TPH Extractable by GC - Water	53956	1	09/24/12 04:02 PM	GC15_120924A

DHL Analytical, Inc.

Date: *28-Sep-12*

CLIENT:	Zia Engineering & Environmental	**Client Sample ID:**	LC38-DSPL-MW-004-0912
Project:	LC-38 Diesel Spill	**Lab ID:**	1209167-01
Project No:		**Collection Date:**	09/20/12 12:35 PM
Lab Order:	1209167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	0.294	0.0500	0.100		mg/L	1	09/24/12 03:28 PM
Surr: Isopropylbenzene	87.4	0	47-142		%REC	1	09/24/12 03:28 PM
Surr: Octacosane	141	0	51-124	S	%REC	1	09/24/12 03:28 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **AJR**
Chromium	0.798	0.00200	0.00600		mg/L	1	09/26/12 08:46 PM
HEXAVALENT CHROMIUM-WATER		**M3500-CR D**					Analyst: **LM**
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/21/12 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level
B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL
MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

DHL Analytical, Inc.

Date: *28-Sep-12*

CLIENT:	Zia Engineering & Environmental	**Client Sample ID:**	LC38-DSPL-MW-104-0912
Project:	LC-38 Diesel Spill	**Lab ID:**	1209167-02
Project No:		**Collection Date:**	09/20/12 12:35 PM
Lab Order:	1209167	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	0.338	0.0500	0.100		mg/L	1	09/24/12 03:54 PM
Surr: Isopropylbenzene	79.2	0	47-142		%REC	1	09/24/12 03:54 PM
Surr: Octacosane	142	0	51-124	S	%REC	1	09/24/12 03:54 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **AJR**
Chromium	0.744	0.00200	0.00600		mg/L	1	09/26/12 08:51 PM
HEXAVALENT CHROMIUM-WATER		**M3500-CR D**					Analyst: **LM**
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/21/12 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level
B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative
DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern
J	Analyte detected between MDL and RL
MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
S	Spike Recovery outside control limits
N	Parameter not NELAC certified

DHL Analytical, Inc.

Date: *28-Sep-12*

CLIENT:	Zia Engineering & Environmental	**Client Sample ID:**	LC38-DSPL-MW-001-0912
Project:	LC-38 Diesel Spill	**Lab ID:**	1209167-03
Project No:		**Collection Date:**	09/20/12 02:20 PM
Lab Order:	1209167	**Matrix:**	EQUIP BLANK

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH EXTRACTABLE BY GC - WATER		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	0.106	0.0500	0.100		mg/L	1	09/24/12 04:02 PM
Surr: Isopropylbenzene	79.4	0	47-142		%REC	1	09/24/12 04:02 PM
Surr: Octacosane	143	0	51-124	S	%REC	1	09/24/12 04:02 PM
TRACE METALS: ICP-MS - WATER		**SW6020A**					Analyst: **AJR**
Chromium	0.0191	0.00200	0.00600		mg/L	1	09/27/12 08:04 PM
HEXAVALENT CHROMIUM-WATER		**M3500-CR D**					Analyst: **LM**
Hexavalent Chromium	<0.00800	0.00800	0.0100		mg/L	1	09/21/12 11:00 AM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120924A

The QC data in batch 53956 applies to the following samples: 1209167-01C, 1209167-02C, 1209167-03C

Sample ID: **LCS-53956** Batch ID: **53956** TestNo: **M8015D** Units: **mg/L**
SampType: **LCS** Run ID: **GC15_120924A** Analysis Date: **9/24/2012 12:30:43 PM** Prep Date: **9/24/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1.32	0.100	1.250	0	106	50	114			
Surr: Isopropylbenzene	0.0776		0.1000		77.6	47	142			
Surr: Octacosane	0.149		0.1000		149	51	124			S

Sample ID: **LCSD-53956** Batch ID: **53956** TestNo: **M8015D** Units: **mg/L**
SampType: **LCSD** Run ID: **GC15_120924A** Analysis Date: **9/24/2012 12:39:12 PM** Prep Date: **9/24/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1.27	0.100	1.250	0	102	50	114	4.07	30	
Surr: Isopropylbenzene	0.0777		0.1000		77.7	47	142	0	0	
Surr: Octacosane	0.138		0.1000		138	51	124	0	0	S

Sample ID: **MB-53956** Batch ID: **53956** TestNo: **M8015D** Units: **mg/L**
SampType: **MBLK** Run ID: **GC15_120924A** Analysis Date: **9/24/2012 1:04:39 PM** Prep Date: **9/24/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	<0.0800	0.100								
Surr: Isopropylbenzene	0.0753		0.1000		75.3	47	142			
Surr: Octacosane	0.138		0.1000		138	51	124			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_120924A

Sample ID: **ICV-120924**	Batch ID: **R62691**	TestNo: **M8015D**	Units: **mg/L**
SampType: **ICV**	Run ID: **GC15_120924A**	Analysis Date: **9/24/2012 12:13:44 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	495	0.100	500.0	0	99.0	80	120			
Surr: Isopropylbenzene	22.0		25.00		87.9	80	120			
Surr: Octacosane	27.1		25.00		108	80	120			

Sample ID: **CCV1-120924**	Batch ID: **R62691**	TestNo: **M8015D**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC15_120924A**	Analysis Date: **9/24/2012 1:55:26 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	222	0.100	250.0	0	88.9	80	120			
Surr: Isopropylbenzene	10.3		12.50		82.1	80	120			
Surr: Octacosane	12.4		12.50		99.2	80	120			

Sample ID: **CCV2-120924**	Batch ID: **R62691**	TestNo: **M8015D**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC15_120924A**	Analysis Date: **9/24/2012 3:37:09 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	229	0.100	250.0	0	91.6	80	120			
Surr: Isopropylbenzene	10.5		12.50		83.9	80	120			
Surr: Octacosane	12.8		12.50		102	80	120			

Sample ID: **CCV3-120924**	Batch ID: **R62691**	TestNo: **M8015D**	Units: **mg/L**
SampType: **CCV**	Run ID: **GC15_120924A**	Analysis Date: **9/24/2012 4:27:53 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	280	0.100	250.0	0	112	80	120			
Surr: Isopropylbenzene	12.6		12.50		101	80	120			
Surr: Octacosane	15.2		12.50		122	80	120			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120926B

The QC data in batch 53989 applies to the following samples: 1209167-01A, 1209167-02A, 1209167-03A

Sample ID: **MB-53989**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MBLK**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 8:13:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	<0.00200	0.00600								

Sample ID: **LCS-53989**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCS**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 8:18:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.199	0.00600	0.200	0	99.4	80	120			

Sample ID: **LCSD-53989**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **LCSD**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 8:24:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.211	0.00600	0.200	0	105	80	120	5.91	15	

Sample ID: **1209166-02D SD**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **SD**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 8:40:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	<0.0100	0.0300	0	0				0	10	

Sample ID: **1209166-02D PDS**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **PDS**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 9:02:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.199	0.00600	0.200	0	99.5	75	125			

Sample ID: **1209166-02D MS**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MS**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 9:08:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.189	0.00600	0.200	0	94.7	80	120			

Sample ID: **1209166-02D MSD**	Batch ID: **53989**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **MSD**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 9:13:00 PM**	Prep Date: **9/26/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.186	0.00600	0.200	0	93.0	80	120	1.76	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120926B

Sample ID: **ICV1-120926**	Batch ID: **R62725**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 4:22:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.106	0.00600	0.100	0	106	90	110			

Sample ID: **CCV1-120926**	Batch ID: **R62725**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 7:24:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.213	0.00600	0.200	0	107	90	110			

Sample ID: **CCV2-120926**	Batch ID: **R62725**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS3_120926B**	Analysis Date: **9/26/2012 9:24:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.209	0.00600	0.200	0	105	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_120927B

Sample ID: **ICV1-120927**	Batch ID: **R62741**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **ICV**	Run ID: **ICP-MS3_120927B**	Analysis Date: **9/27/2012 1:49:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.103	0.00600	0.100	0	103	90	110			

Sample ID: **CCV2-120927**	Batch ID: **R62741**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS3_120927B**	Analysis Date: **9/27/2012 6:36:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.198	0.00600	0.200	0	98.8	90	110			

Sample ID: **CCV3-120927**	Batch ID: **R62741**	TestNo: **SW6020A**	Units: **mg/L**
SampType: **CCV**	Run ID: **ICP-MS3_120927B**	Analysis Date: **9/27/2012 8:47:00 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.200	0.00600	0.200	0	99.9	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_120921A

The QC data in batch 53947 applies to the following samples: 1209167-01B, 1209167-02B, 1209167-03B

Sample ID: **MB-53947**	Batch ID: **53947**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **MBLK**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 10:55:00 AM**	Prep Date: **9/21/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	<0.00800	0.0100								

Sample ID: **LCS-53947**	Batch ID: **53947**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **LCS**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 10:55:00 AM**	Prep Date: **9/21/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.0980	0.0100	0.100	0	98.0	85	115			

Sample ID: **LCSD-53947**	Batch ID: **53947**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **LCSD**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 11:00:00 AM**	Prep Date: **9/21/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.0994	0.0100	0.100	0	99.4	85	115	1.35	15	

Sample ID: **1209167-01B MS**	Batch ID: **53947**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **MS**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 11:00:00 AM**	Prep Date: **9/21/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.0879	0.0100	0.100	0	87.9	85	115			

Sample ID: **1209167-01B MSD**	Batch ID: **53947**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **MSD**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 11:00:00 AM**	Prep Date: **9/21/2012**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.0893	0.0100	0.100	0	89.3	85	115	1.59	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

CLIENT: Zia Engineering & Environmental
Work Order: 1209167
Project: LC-38 Diesel Spill

ANALYTICAL QC SUMMARY REPORT

RunID: UV/VIS_2_120921A

Sample ID: **ICV-120921**	Batch ID: **R62661**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **ICV**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 10:55:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.0984	0.0100	0.100	0	98.4	90	110			

Sample ID: **CCV-120921**	Batch ID: **R62661**	TestNo: **M3500-Cr D**	Units: **mg/L**
SampType: **CCV**	Run ID: **UV/VIS_2_120921A**	Analysis Date: **9/21/2012 11:02:00 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Hexavalent Chromium	0.200	0.0100	0.200	0	100	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
J	Analyte detected between SDL and RL	N	Parameter not NELAC certified

Lab Order: 1209167
Client: Zia Engineering & Environmental
Project: LC-38 Diesel Spill

Sequence Report

Run ID: GC15_120627C

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DCS-52428	-----	M8015D	52428		6/27/2012 9:53:08 PM	6/25/2012 9:25:49 AM	A

Run ID: GC15_120924A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120924	-----	M8015D	R62691	1	9/24/2012 12:13:44 PM		A
LCS-53956	-----	M8015D	53956	1	9/24/2012 12:30:43 PM	9/24/2012 7:19:23 AM	A
LCSD-53956	-----	M8015D	53956	1	9/24/2012 12:39:12 PM	9/24/2012 7:19:23 AM	A
MB-53956	-----	M8015D	53956	1	9/24/2012 1:04:39 PM	9/24/2012 7:19:23 AM	A
CCV1-120924	-----	M8015D	R62691	1	9/24/2012 1:55:26 PM		A
1209167-01C	LC38-DSPL-MW-004-0912	M8015D	53956	1	9/24/2012 3:28:41 PM	9/24/2012 7:19:23 AM	A
CCV2-120924	-----	M8015D	R62691	1	9/24/2012 3:37:09 PM		A
1209167-02C	LC38-DSPL-MW-104-0912	M8015D	53956	1	9/24/2012 3:54:04 PM	9/24/2012 7:19:23 AM	A
1209167-03C	LC38-DSPL-MW-001-0912	M8015D	53956	1	9/24/2012 4:02:32 PM	9/24/2012 7:19:23 AM	E
CCV3-120924	-----	M8015D	R62691	1	9/24/2012 4:27:53 PM		A

Run ID: ICP-MS3_120815A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DCS-52785-1	-----	SW6020A	52785		8/15/2012 1:26:00 PM	7/20/2012 9:14:06 AM	A

Lab Order: 1209167
Client: Zia Engineering & Environmental
Project: LC-38 Diesel Spill

Sequence Report

Run ID: ICP-MS3_120926B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	-----	SW6020A	R62725	1	9/26/2012 3:05:00 PM		A
1/20 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:10:00 PM		A
10/200 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:16:00 PM		A
50/1000 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:21:00 PM		A
100/2000 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:27:00 PM		A
250/5000 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:32:00 PM		A
500/10000 ppb STD.	-----	SW6020A	R62725	1	9/26/2012 3:38:00 PM		A
2000/25000 ppb STD	-----	SW6020A	R62725	1	9/26/2012 3:43:00 PM		A
ICSA-120926	-----	SW6020A	R62725	1	9/26/2012 4:00:00 PM		A
ICSAB-120926	-----	SW6020A	R62725	1	9/26/2012 4:05:00 PM		A
ICV1-120926	-----	SW6020A	R62725	1	9/26/2012 4:22:00 PM		A
LCVL-120926	-----	SW6020A	R62725	1	9/26/2012 5:04:00 PM		A
ICB1-120926	-----	SW6020A	R62725	1	9/26/2012 5:15:00 PM		A
CCV1-120926	-----	SW6020A	R62725	1	9/26/2012 7:24:00 PM		A
LCVL1-120926	-----	SW6020A	R62725	1	9/26/2012 7:51:00 PM		A
CCB1-120926	-----	SW6020A	R62725	1	9/26/2012 8:08:00 PM		A
MB-53989	-----	SW6020A	53989	1	9/26/2012 8:13:00 PM	9/26/2012 8:57:39 AM	A
LCS-53989	-----	SW6020A	53989	1	9/26/2012 8:18:00 PM	9/26/2012 8:57:39 AM	A
LCSD-53989	-----	SW6020A	53989	1	9/26/2012 8:24:00 PM	9/26/2012 8:57:39 AM	A
1209166-02D SD	-----	SW6020A	53989	5	9/26/2012 8:40:00 PM	9/26/2012 8:57:39 AM	A
1209167-01A	LC38-DSPL-MW-004-0912	SW6020A	53989	1	9/26/2012 8:46:00 PM	9/26/2012 8:57:39 AM	A
1209167-02A	LC38-DSPL-MW-104-0912	SW6020A	53989	1	9/26/2012 8:51:00 PM	9/26/2012 8:57:39 AM	A
1209167-03A	LC38-DSPL-MW-001-0912	SW6020A	53989	1	9/26/2012 8:57:00 PM	9/26/2012 8:57:39 AM	E
1209166-02D PDS	-----	SW6020A	53989	1	9/26/2012 9:02:00 PM	9/26/2012 8:57:39 AM	A
1209166-02D MS	-----	SW6020A	53989	1	9/26/2012 9:08:00 PM	9/26/2012 8:57:39 AM	A
1209166-02D MSD	-----	SW6020A	53989	1	9/26/2012 9:13:00 PM	9/26/2012 8:57:39 AM	A
CCV2-120926	-----	SW6020A	R62725	1	9/26/2012 9:24:00 PM		A
LCVL2-120926	-----	SW6020A	R62725	1	9/26/2012 9:51:00 PM		A
CCB2-120926	-----	SW6020A	R62725	1	9/26/2012 10:14:00 PM		A

Lab Order: 1209167
Client: Zia Engineering & Environmental
Project: LC-38 Diesel Spill

Sequence Report

Run ID: ICP-MS3_120927B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
BLANK STD 1	-----	SW6020A	R62741	1	9/27/2012 12:32:00 PM		A
1/20 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 12:38:00 PM		A
10/200 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 12:43:00 PM		A
50/1000 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 12:49:00 PM		A
100/2000 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 12:54:00 PM		A
250/5000 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 1:00:00 PM		A
500/10000 ppb STD.	-----	SW6020A	R62741	1	9/27/2012 1:05:00 PM		A
2000/25000 ppb STD	-----	SW6020A	R62741	1	9/27/2012 1:11:00 PM		A
ICSA-120927	-----	SW6020A	R62741	1	9/27/2012 1:27:00 PM		A
ICSAB-120927	-----	SW6020A	R62741	1	9/27/2012 1:33:00 PM		A
ICV1-120927	-----	SW6020A	R62741	1	9/27/2012 1:49:00 PM		A
LCVL-120927	-----	SW6020A	R62741	1	9/27/2012 2:00:00 PM		A
ICB1-120927	-----	SW6020A	R62741	1	9/27/2012 2:11:00 PM		A
CCV2-120927	-----	SW6020A	R62741	1	9/27/2012 6:36:00 PM		A
LCVL2-120927	-----	SW6020A	R62741	1	9/27/2012 7:09:00 PM		A
CCB2-120927	-----	SW6020A	R62741	1	9/27/2012 7:26:00 PM		A
1209167-03A	LC38-DSPL-MW-001-0912	SW6020A	53989	1	9/27/2012 8:04:00 PM	9/26/2012 8:57:39 AM	E
CCV3-120927	-----	SW6020A	R62741	1	9/27/2012 8:47:00 PM		A
LCVL3-120927	-----	SW6020A	R62741	1	9/27/2012 9:20:00 PM		A
CCB3-120927	-----	SW6020A	R62741	1	9/27/2012 9:42:00 PM		A

Run ID: UV/VIS_2_120801B

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
DCS-53079	-----	M3500-Cr D	53079		8/1/2012 1:05:00 PM	8/1/2012 11:46:29 AM	A

Run ID: UV/VIS_2_120921A

Sample ID	Client Sample ID	Test Number	Batch ID	Dilution	Analysis Date	Prep Date	Matrix
ICV-120921	-----	M3500-Cr D	R62661	1	9/21/2012 10:55:00 AM		A
MB-53947	-----	M3500-Cr D	53947	1	9/21/2012 10:55:00 AM	9/21/2012 10:10:38 AM	A
LCS-53947	-----	M3500-Cr D	53947	1	9/21/2012 10:55:00 AM	9/21/2012 10:10:38 AM	A
LCSD-53947	-----	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	A
1209167-01B	LC38-DSPL-MW-004-0912	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	A
1209167-01B MS	LC38-DSPL-MW-004-0912MS	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	A
1209167-01B MSD	LC38-DSPL-MW-004-0912MSD	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	A
1209167-02B	LC38-DSPL-MW-104-0912	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	A
1209167-03B	LC38-DSPL-MW-001-0912	M3500-Cr D	53947	1	9/21/2012 11:00:00 AM	9/21/2012 10:10:38 AM	E
CCV-120921	-----	M3500-Cr D	R62661	1	9/21/2012 11:02:00 AM		A